

ABSTRACT

A method and system for measuring hydrocarbon content in a gas sample measures individual hydrocarbon concentrations in the gas sample and determines a total concentration based on the individual concentrations. The

5 total concentration is validated and/or scaled by determining whether water interference may be occurring and either adjusting the total concentration or flagging the total concentration as invalid. The total concentration may also be adjusted to account for ambient conditions, such as temperature, pressure or relative humidity, as well as for potential double-counting of individual

10 hydrocarbon species.